

specific topic.

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=> s presbyop? and (treat? or therap? or prevent?)
6 FILES SEARCHED...
I 1 1334 PRESBYOP? AND (TREAT? OR THERAP? OR PREVENT?)

=> S L1 AND (GLUTATHIONE? OR THIOL?)
L2 23 L1 AND (GLUTATHIONE? OR THIOL?)

→ S.I.2 AND /energy or heat or sound or assume

L3 15 L2 AND (ENERGY OR HEAT OR SOUND OR ENZYME)

=> s 13 and acoomodation
L4 0 L3 AND ACOOMODATION

\Rightarrow

=> s 13 and ((methyl glutathione) or (s transferase) or thiosulfonate or (thiol transferase) or glutathione or (nicotine(w)adenine(w)dinucleotide(w)phosphate))
L5 10 L3 AND ((METHYL GLUTATHIONE) OR (S TRANSFERASE) OR THIOSULFONATE OR (THIOL TRANSFERASE) OR GLUTATHIONE OR (NICOTINE(W) ADENINE(W) DINUCLEOTIDE(W) PHOSPHATE))

=> d 15 1-10 ibib abs

L5 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:616201 CAPLUS
 DOCUMENT NUMBER: 137:174935
 TITLE: **Presbyopia treatment by lens alteration**
 INVENTOR(S): Till, Jonathan S.
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 6 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|------------|
| US 2002110549 | A1 | 20020815 | US 2002-50879 | 20020118 |
| PRIORITY APPLN. INFO.: | | | US 2001-262423P | P 20010119 |

AB This invention effects a change in the accommodation of the human lens affected by **presbyopia** through the use of various reducing agents that change accommodative abilities of the human lens, and/or by applying **energy** to affect a change in the accommodative abilities of the human lens. This invention both **prevents** the onset of **presbyopia** as well as **treats** it. By breaking and/or **preventing** the formation of bonds that adhere lens fibers together causing hardening of the lens, the present invention increases the elasticity and distensibility of the lens and/or lens capsule. Biol. acceptable compds. comprise **glutathione** or **thiols** and enzymes such as **glutathione S-transferase** or **thiol reductase** can break disulfide bonds.

L5 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:142552 CAPLUS
 DOCUMENT NUMBER: 136:178019
 TITLE: **Presbyopia treatment by lens alteration with reducing agents**
 INVENTOR(S): Till, Jonathan S.
 PATENT ASSIGNEE(S): Refocus, LLC, USA
 SOURCE: PCT Int. Appl., 21 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|------------|
| WO 2002013863 | A2 | 20020221 | WO 2001-US25576 | 20010816 |
| WO 2002013863 | A3 | 20030103 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2001083386 | A5 | 20020225 | AU 2001-83386 | 20010816 |
| US 2002025311 | A1 | 20020228 | US 2001-930287 | 20010816 |
| PRIORITY APPLN. INFO.: | | | US 2000-225659P | P 20000816 |
| | | | WO 2001-US25576 | W 20010816 |

AB This invention effects a change in the accommodation of the human lens

affected by **presbyopia** through the use of various reducing agents that change accommodative abilities of the human lens, and/or by applying external **energy** to affect a change in the accommodative abilities of the human lens. By breaking bonds that adhere lens fibers together causing hardening of the lens, the present invention increases the elasticity and distensibility of the lens and/or lens capsule.

L5 ANSWER 3 OF 10 USPATFULL on STN
ACCESSION NUMBER: 2003:148998 USPATFULL
TITLE: Method and compositions for **treatment** of the aging eye
INVENTOR(S): Petrus, Edward J., Austin, TX, United States
PATENT ASSIGNEE(S): Advanced Medical Instruments, Austin, TX, United States
(U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|--|------|--------------|
| PATENT INFORMATION: | US 6573299 | B1 | 20030603 |
| APPLICATION INFO.: | US 1999-399393 | | 19990920 (9) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | GRANTED | | |
| PRIMARY EXAMINER: | Fay, Zohreh | | |
| NUMBER OF CLAIMS: | 5 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 0 Drawing Figure(s); 0 Drawing Page(s) | | |
| LINE COUNT: | 977 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to a method for the **prevention** and **treatment** of orbital disorders associated with the aging eye in mammals by the application of a topical composition comprising a permeation enhancing amount of one or more penetration enhancers, and one or more bio-affecting agents which penetrate into the underlying tissues and into the vascular network of the orbit. Another object of this invention is the improvement of age-related changes to the eyelids such as dry skin, wrinkles, keratoses, age spots and pigmented skin lesions. It is a further object of this invention to **prevent** and **treat** cataract formation, glaucoma, diabetic retinopathy and macular degeneration.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 10 USPATFULL on STN
ACCESSION NUMBER: 2002:330330 USPATFULL
TITLE: Method and composition for rejuvenating cells, tissues organs, hair and nails
INVENTOR(S): Ulrich, Peter C., Portland, OR, UNITED STATES
Fang, Sheng Ding, Mount Kisco, NY, UNITED STATES
Brines, Michael L., Woodbridge, CT, UNITED STATES
Xie, Qiao-Wen, Yonkers, NY, UNITED STATES
Cerami, Anthony, Sleepy Hollow, NY, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|---------------|------|---------------|
| PATENT INFORMATION: | US 2002188015 | A1 | 20021212 |
| APPLICATION INFO.: | US 2002-72712 | A1 | 20020207 (10) |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2001-267226P | 20010207 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | DREIER & BARITZ LLP, 499 PARK AVENUE, 20TH FLOOR, NEW | |

YORK, NY, 10022

NUMBER OF CLAIMS: 61
EXEMPLARY CLAIM: 1
LINE COUNT: 3338

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In one embodiment, the present invention relates to compounds and compositions including pharmaceutical compositions containing the compounds and associated methods that uncouple sugar-mediated coupling of proteins, lipids, nucleic acids, and other biomaterials, and any combination thereof. In another embodiment, the compositions and associated methods have utility in vivo to reduce the deleterious effects of sugar-mediated coupling processes in an organism, when the organism is exposed to the compound or composition internally, by ingestion, transdermal application, or other means. In yet another embodiment, the compositions and associated methods are useful for the ex-vivo treatment of organs, cells and tissues and external treatment of hair, nails and skin to rejuvenate them by changing deformability and increase the tissue diffusion coefficient. In a further embodiment, the present invention relates to novel compounds and pharmaceutical compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2002:205862 USPATFULL
TITLE: Presbyopia treatment by lens alteration
INVENTOR(S): Till, Jonathan S., Salem, VA, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|---------------|------|---------------|
| PATENT INFORMATION: | US 2002110549 | A1 | 20020815 |
| APPLICATION INFO.: | US 2002-50879 | A1 | 20020118 (10) |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2001-262423P | 20010119 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | KENYON & KENYON, 1500 K STREET, N.W., SUITE 700, WASHINGTON, DC, 20005 | |
| NUMBER OF CLAIMS: | 33 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 515 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention effects a change in the accommodation of the human lens affected by presbyopia through the use of various reducing agents that change accommodative abilities of the human lens, and/or by applying energy to affect a change in the accommodative abilities of the human lens. This invention both prevents the onset of presbyopia as well as treats it. By breaking and/or preventing the formation of bonds that adhere lens fibers together causing hardening of the lens, the present invention increases the elasticity and distensibility of the lens and/or lens capsule.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2002:92924 USPATFULL
TITLE: Correction of presbyopia, other refractive errors and cataract retardation

INVENTOR(S): Myers, Raymond I., Collinsville, IL, UNITED STATES
PATENT ASSIGNEE(S): Second Sight Laser Technologies, Inc. (U.S.
corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 2002049450 | A1 | 20020425 |
| APPLICATION INFO.: | US 2001-897585 | A1 | 20010629 (9) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1997-821903, filed on 21 Mar 1997, ABANDONED Continuation of Ser. No. US 1999-312518, filed on 14 May 1999, ABANDONED | | |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 1996-13791P | 19960321 (60) |
| | US 1997-36904P | 19970205 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | JOHN W KELPER, III, 7733 FORSYTH BLVD., 12TH FLOOR, ST LOUIS, MO, 63105 | |
| NUMBER OF CLAIMS: | 1 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 3 Drawing Page(s) | |
| LINE COUNT: | 541 | |

AB The invention consists of methods for **treating** the clear, intact crystalline lens of the eye with high **energy** light such as lasers, for the purpose of correcting **presbyopia**, other refractive errors, and the **prevention** of cataracts. The aim is to change the mass, shape, and/or flexure of the crystalline lens in order to maintain or reestablish the focus of all light onto the macular area.

L5 ANSWER 7 OF 10 USPATFULL on STN
ACCESSION NUMBER: 2002:42947 USPATFULL
TITLE: Presbyopia treatment by lens alteration
INVENTOR(S): Till, Jonathan S., Salem, VA, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 2002025311 | A1 | 20020228 |
| APPLICATION INFO.: | US 2001-930287 | A1 | 20010816 (9) |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 2000-225659P | 20000816 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | KENYON & KENYON, 1500 K STREET, N.W., SUITE 700, WASHINGTON, DC, 20005 | |
| NUMBER OF CLAIMS: | 33 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 472 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention effects a change in the accommodation of the human lens affected by **presbyopia** through the use of various reducing agents that change accommodative abilities of the human lens, and/or by applying external **energy** to affect a change in the accommodative abilities of the human lens. By breaking bonds that adhere lens fibers together causing hardening of the lens, the present invention increases the elasticity and distensibility of the lens and/or

lens capsule.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 10 USPATFULL on STN
ACCESSION NUMBER: 2001:90126 USPATFULL
TITLE: Multi-phase food & beverage
INVENTOR(S): Zhao, Iris Ginron, Los Angeles, CA, United States

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 2001002269 | A1 | 20010531 |
| APPLICATION INFO.: | US 2000-748775 | A1 | 20001227 (9) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1997-852238, filed on 6 May 1997, ABANDONED | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | Iris G. Zhao, c/o Paul D. Inglesby, One Bala Plaza, Suite 213, Bala Cynwyd, PA, 19004 | | |
| NUMBER OF CLAIMS: | 20 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 4 Drawing Page(s) | | |
| LINE COUNT: | 2636 | | |
| AB | A method of making, combining, and using a balanced multi-phase food mixture and a multi-phase beverage made thereof is incorporated into carbonated herb beverage, aerated tea, fast fermented grain drink, amino acid flavored beverage, alcohol soaked cocktail drink, and aerated vegetable beverage. The liquid phase comprises total small molecular mineral and sugar up to 350 mOsm, pH 3.5-7.8, sweetener up to 7 wt %, alcohol up to 3 wt %, protein up to 30 wt %, fiber 20-37 gram per 2000 calories, at least 30% of calories are derived from complex carbohydrate, and up to 5% by volume gas, which will release a meaningful smell when being consumed. The solid phase includes at least 10% by weight plant mix, complex carbohydrate, protein, fat, and a combination thereof. The beverage is natural and balanced referred to physiological body composition for normalizing body composition and fluid metabolism toward optimal body fitness with increased sensory experience and satiety. | | |

L5 ANSWER 9 OF 10 USPATFULL on STN
ACCESSION NUMBER: 1998:122381 USPATFULL
TITLE: Glutathione antioxidant eye drops
INVENTOR(S): Hofmann, Robert F., Austin, TX, United States
Bottoni, Don J., Pflugerville, TX, United States
PATENT ASSIGNEE(S): Austin Nutriceutical Corporation, Austin, TX, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|--|--|------|--------------|
| PATENT INFORMATION: | US 5817630 | | 19981006 |
| APPLICATION INFO.: | US 1997-820214 | | 19970318 (8) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Fay, Zohreh | | |
| LEGAL REPRESENTATIVE: | Banner & Witcoff, Ltd. | | |
| NUMBER OF CLAIMS: | 23 | | |
| EXEMPLARY CLAIM: | 1 | | |
| LINE COUNT: | 350 | | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | | |
| AB | An eye drop composition and a method of using the composition to alleviate eye discomfort and for improving lens pliability. | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 10 OF 10 USPATFULL on STN
ACCESSION NUMBER: 95:112205 USPATFULL
TITLE: Method of making intraocular lenses with injectable collagen-based compositions
INVENTOR(S): Kelman, Charles D., New York, NY, United States
DeVore, Dale P., Chelmsford, MA, United States
PATENT ASSIGNEE(S): Autogenesis Technologies, Inc., Acton, MA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 5476515 | | 19951219 |
| APPLICATION INFO.: | US 1993-158019 | | 19931124 (8) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1991-740838, filed on 6 Aug 1991, now abandoned | | |

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Prebilic, Paul B.
LEGAL REPRESENTATIVE: Darby & Darby
NUMBER OF CLAIMS: 17
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Figure(s); 3 Drawing Page(s)
LINE COUNT: 878

AB Injectable collagen-based compositions can be used in methods to fill a lens capsular sac, following lens extraction procedures, to form a new intraocular lens. Purified soluble or partially fibrillar collagen may be modified with acylating agents, sulfonating agents or combinations thereof to form a clear, transparent collagen composition having indices of refraction between about 1.2 to 1.6. The modified collagen may be injected into a lens capsular sac to form an intraocular lens (IOL) in situ. The IOL is clear, transparent, resistant to epithelialization and is capable of accommodation. The collagen-based IOL produced by the method of the present invention may remain in its original viscous liquid state or may be polymerized into a soft gel. The collagen-based IOL may be used to replace diseased or natural lens to treat cataracts, presbyopia, myopia and hyperopia.

FILE 'CAPLUS, USPATFULL, JAPIO, MEDLINE, EUROPATFULL, BIOSIS, EMBASE'
ENTERED AT 17:17:15 ON 07 AUG 2003

L1 1334 S PRESBYOP? AND (TREAT? OR THERAP? OR PREVENT?)
L2 23 S L1 AND (GLUTATHIONE? OR THIOL?)
L3 15 S L2 AND (ENERGY OR HEAT OR SOUND OR ENZYME)
L4 0 S L3 AND ACOOMODATION
L5 10 S L3 AND ((METHYL GLUTATHIONE) OR (S TRANSFERASE) OR THIOSULFO

=> s 15 and (ascorb? or (vitamin E) or (vitamin C))
L6 6 L5 AND (ASCORB? OR (VITAMIN E) OR (VITAMIN C))

=> d 16 1-6 ibib abs

L6 ANSWER 1 OF 6 USPATFULL on STN
ACCESSION NUMBER: 2003:148998 USPATFULL
TITLE: Method and compositions for **treatment** of the aging eye
INVENTOR(S): Petrus, Edward J., Austin, TX, United States
PATENT ASSIGNEE(S): Advanced Medical Instruments, Austin, TX, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|--|------|--------------|
| PATENT INFORMATION: | US 6573299 | B1 | 20030603 |
| APPLICATION INFO.: | US 1999-399393 | | 19990920 (9) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | GRANTED | | |
| PRIMARY EXAMINER: | Fay, Zohreh | | |
| NUMBER OF CLAIMS: | 5 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 0 Drawing Figure(s); 0 Drawing Page(s) | | |
| LINE COUNT: | 977 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to a method for the **prevention** and **treatment** of orbital disorders associated with the aging eye in mammals by the application of a topical composition comprising a permeation enhancing amount of one or more penetration enhancers, and one or more bio-affecting agents which penetrate into the underlying tissues and into the vascular network of the orbit. Another object of this invention is the improvement of age-related changes to the eyelids such as dry skin, wrinkles, keratoses, age spots and pigmented skin lesions. It is a further object of this invention to **prevent** and **treat** cataract formation, glaucoma, diabetic retinopathy and macular degeneration.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 6 USPATFULL on STN
ACCESSION NUMBER: 2002:205862 USPATFULL
TITLE: **Presbyopia treatment** by lens alteration
INVENTOR(S): Till, Jonathan S., Salem, VA, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|---------------|------|---------------|
| PATENT INFORMATION: | US 2002110549 | A1 | 20020815 |
| APPLICATION INFO.: | US 2002-50879 | A1 | 20020118 (10) |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2001-262423P | 20010119 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: KENYON & KENYON, 1500 K STREET, N.W., SUITE 700,
WASHINGTON, DC, 20005

NUMBER OF CLAIMS: 33
EXEMPLARY CLAIM: 1
LINE COUNT: 515

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention effects a change in the accommodation of the human lens affected by **presbyopia** through the use of various reducing agents that change accommodative abilities of the human lens, and/or by applying **energy** to affect a change in the accommodative abilities of the human lens. This invention both **prevents** the onset of **presbyopia** as well as **treats** it. By breaking and/or **preventing** the formation of bonds that adhere lens fibers together causing hardening of the lens, the present invention increases the elasticity and distensibility of the lens and/or lens capsule.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 6 USPATFULL on STN
ACCESSION NUMBER: 2002:42947 USPATFULL
TITLE: **Presbyopia treatment** by lens alteration
INVENTOR(S): Till, Jonathan S., Salem, VA, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 2002025311 | A1 | 20020228 |
| APPLICATION INFO.: | US 2001-930287 | A1 | 20010816 (9) |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2000-225659P | 20000816 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | KENYON & KENYON, 1500 K STREET, N.W., SUITE 700, WASHINGTON, DC, 20005 | |

NUMBER OF CLAIMS: 33
EXEMPLARY CLAIM: 1
LINE COUNT: 472

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention effects a change in the accommodation of the human lens affected by **presbyopia** through the use of various reducing agents that change accommodative abilities of the human lens, and/or by applying external **energy** to affect a change in the accommodative abilities of the human lens. By breaking bonds that adhere lens fibers together causing hardening of the lens, the present invention increases the elasticity and distensibility of the lens and/or lens capsule.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 6 USPATFULL on STN
ACCESSION NUMBER: 2001:90126 USPATFULL
TITLE: Multi-phase food & beverage
INVENTOR(S): Zhao, Iris Ginron, Los Angeles, CA, United States

| | NUMBER | KIND | DATE |
|---------------------|---------------|------|----------|
| PATENT INFORMATION: | US 2001002269 | A1 | 20010531 |

APPLICATION INFO.: US 2000-748775 A1 20001227 (9)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1997-852238, filed
on 6 May 1997, ABANDONED
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Iris G. Zhao, c/o Paul D. Inglesby, One Bala Plaza,
Suite 213, Bala Cynwyd, PA, 19004
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Page(s)
LINE COUNT: 2636

AB A method of making, combining, and using a balanced multi-phase food mixture and a multi-phase beverage made thereof is incorporated into carbonated herb beverage, aerated tea, fast fermented grain drink, amino acid flavored beverage, alcohol soaked cocktail drink, and aerated vegetable beverage. The liquid phase comprises total small molecular mineral and sugar up to 350 mOsm, pH 3.5-7.8, sweetener up to 7 wt %, alcohol up to 3 wt %, protein up to 30 wt %, fiber 20-37 gram per 2000 calories, at least 30% of calories are derived from complex carbohydrate, and up to 5% by volume gas, which will release a meaningful smell when being consumed. The solid phase includes at least 10% by weight plant mix, complex carbohydrate, protein, fat, and a combination thereof. The beverage is natural and balanced referred to physiological body composition for normalizing body composition and fluid metabolism toward optimal body fitness with increased sensory experience and satiety.

L6 ANSWER 5 OF 6 USPATFULL on STN
ACCESSION NUMBER: 1998:122381 USPATFULL
TITLE: Glutathione antioxidant eye drops
INVENTOR(S): Hofmann, Robert F., Austin, TX, United States
Bottoni, Don J., Pflugerville, TX, United States
PATENT ASSIGNEE(S): Austin Nutriceutical Corporation, Austin, TX, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|------------------------|------|--------------|
| PATENT INFORMATION: | US 5817630 | | 19981006 |
| APPLICATION INFO.: | US 1997-820214 | | 19970318 (8) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Fay, Zohreh | | |
| LEGAL REPRESENTATIVE: | Banner & Witcoff, Ltd. | | |
| NUMBER OF CLAIMS: | 23 | | |
| EXEMPLARY CLAIM: | 1 | | |
| LINE COUNT: | 350 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An eye drop composition and a method of using the composition to alleviate eye discomfort and for improving lens pliability.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 6 OF 6 USPATFULL on STN
ACCESSION NUMBER: 95:112205 USPATFULL
TITLE: Method of making intraocular lenses with injectable collagen-based compositions
INVENTOR(S): Kelman, Charles D., New York, NY, United States
DeVore, Dale P., Chelmsford, MA, United States
PATENT ASSIGNEE(S): Autogenesis Technologies, Inc., Acton, MA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5476515 | | 19951219 |
| APPLICATION INFO.: | US 1993-158019 | | 19931124 (8) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1991-740838, filed on 6 Aug 1991, now abandoned | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Prebilic, Paul B. | | |
| LEGAL REPRESENTATIVE: | Darby & Darby | | |
| NUMBER OF CLAIMS: | 17 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 3 Drawing Figure(s); 3 Drawing Page(s) | | |
| LINE COUNT: | 878 | | |
| AB | Injectable collagen-based compositions can be used in methods to fill a lens capsular sac, following lens extraction procedures, to form a new intraocular lens. Purified soluble or partially fibrillar collagen may be modified with acylating agents, sulfonating agents or combinations thereof to form a clear, transparent collagen composition having indices of refraction between about 1.2 to 1.6. The modified collagen may be injected into a lens capsular sac to form an intraocular lens (IOL) in situ. The IOL is clear, transparent, resistant to epithelialization and is capable of accommodation. The collagen-based IOL produced by the method of the present invention may remain in its original viscous liquid state or may be polymerized into a soft gel. The collagen-based IOL may be used to replace diseased or natural lens to treat cataracts, presbyopia, myopia and hyperopia. | | |

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Inventor Name Search Result

Your Search was:

Last Name = TILL

First Name = JONATHAN

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
|---------------------------------|----------------|---------------|-------------------|--|----------------------|
| <u>60405540</u> | Not Issued | 019 | 08/23/2002 | SECURE PAGING DEVICE AND SYSTEM | TILLACK, JONATHAN A. |
| <u>60348391</u> | Not Issued | 020 | 01/16/2002 | REFRACTIVE SURGERY BY LENS ALTERATION | TILL, JONATHAN S. |
| <u>60330630</u> | Not Issued | 020 | 10/26/2001 | REFRACTIVE SURGERY BY LENS ALTERATION | TILL, JONATHAN S. |
| <u>60312096</u> | Not Issued | 020 | 08/15/2001 | REFRACTIVE SURGERY BY LENS ALTERATION | TILL, JONATHAN S. |
| <u>60277626</u> | Not Issued | 020 | 03/22/2001 | PRESBYOPIA TREATMENT BY SCLERAL COMPRESSION | TILL, JONATHAN S. |
| <u>60262423</u> | Not Issued | 020 | 01/19/2001 | PRESBYOPIA TREATMENT BY LENS ALTERATION | TILL, JONATHAN S. |
| <u>60225659</u> | Not Issued | 020 | 08/16/2000 | PRESBYOPIA TREATMENT BY LENS ALTERATION | TILL, JONATHAN S. |
| <u>60161797</u> | Not Issued | 159 | 10/27/1999 | METHODS AND COMPOSITIONS FOR ENHANCING DEVELOPMENTAL POTENTIAL OF OOCYTES | TILLY, JONATHAN |
| <u>10217259</u> | Not Issued | 030 | 08/12/2002 | PROTECTION OF THE FEMALE REPRODUCTIVE SYSTEM FROM NATURAL AND ARTIFICIAL INSULTS | TILLY, JONATHAN L. |
| <u>10111680</u> | Not Issued | 030 | 12/03/2002 | METHODS AND COMPOSITION FOR ENHANCING DEVELOPMENTAL POTENTIAL OF OOCYTES AND ZYGOTES | TILLY, JONATHAN |
| <u>10102980</u> | Not Issued | 041 | 03/22/2002 | PRESBYOPIA TREATMENT BY SCLERAL COMPRESSION | TILL, JONATHAN S. |

| | | | | | |
|-----------------|------------|-----|------------|--|--------------------|
| <u>10050879</u> | Not Issued | 030 | 01/18/2002 | PRESBYOPIA TREATMENT BY LENS ALTERATION | TILL, JONATHAN S. |
| <u>09930287</u> | Not Issued | 041 | 08/16/2001 | PRESBYOPIA TREATMENT BY LENS ALTERATION | TILL, JONATHAN S. |
| <u>09503852</u> | Not Issued | 041 | 02/15/2000 | PROTECTION OF THE FEMALE REPRODUCTIVE SYSTEM FROM NATURAL AND ARTIFICIAL INSULTS | TILLY, JONATHAN L. |
| <u>08646959</u> | 5690691 | 150 | 05/08/1996 | GASTRO-INTESTINAL PACEMAKER HAVING PHASED MULTI-POINT STIMULATION | TILLACK , JONATHAN |

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